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Eagle Point Solution to a Frequently Asked Question

How to Export Node Coordinates and Descriptions to a File

Summary: The coordinates and descriptions of specific items in a project may need to be exported to a text file for the purpose of uploading into a survey controller for staking out or for bringing into another project. Creating nodes at those locations is needed for export of the data.

Product: Eagle Point Software™ 2001

Release: 2001 Q4 or 1.4.0 and greater

Platform: Windows NT/2000/XP

Related documents: Microsoft documentation/help

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As always, should you have any questions regarding any phase of installation, contact Eagle Point Technical Assistance at (800) 477-0909.

Notation Method

Button to Press	Displayed Text	Icon	Action	{Text to Enter}	Menu Item...
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Creating Nodes to be Exported

Set Up Entry Options

1. From EP, click *Products... COGO... Settings... Entry Options...Node Placement...*
2. Input a Node ID for labeling. E.g. {EXP1} for nodes to export (it must end with a number). Data collector must be set to use alphanumeric record numbers.
3. Input Elevation as *Constant & {0}* (or use *Inherit* if the Nodes you will be placing need to have an elevation).
4. Pull down Field Code default to *CLR* if you only want label and elevation of node to show. Or Pull down to *HUB* to have N & E show up in CAD.
5. Pull down Description to *Use Field Code*.
6. Click **OK**.

Place Nodes along an Object in CAD

7. From EP, click *Products... COGO... Nodes... Snap to Object...*
8. Click **Next**.
9. Select the polyline that has the corners of the Clearing Limits (or press Enter to get out of AutoCAD selection mode).
10. Press Enter.
11. Click **Next**.
12. Uncheck Do Not Place Duplicate Notes.
13. Click **Apply**.
14. Click **Snap Options & Descriptions**.
15. Input {CLR} (for Clearing Limit) as the Line Endpoints.

16. All other Points could be Unchecked. Click .
17. Click .
18. Click .

Printout Listing of Nodes

19. Click *Report... Nodes...*
20. Pull down to *Name*.
21. Input the Node Prefix letters used earlier {EXP}. This is case sensitive.
22. Click .
23. You can do multiple selections or AutoCAD selection method also.
24. Click .
25. View the report and Click the **Print Icon**.
26. When done printing Click .

Export the Nodes to a Coordinate File

1. From EP, click *Products... Data Collection... Jobs... Export Nodes...*
2. Browse to the location to save the export file and input a filename.
E.g. {Fopma Stakeout.txt}.
3. Click .
4. Select the Format as *Coordinate*.
5. Click .
6. Select Points Based on Node Label Prefix
 - a. Pull down to *Range*.
 - b. Checkmark Prefix.
 - c. Input the Node letters used earlier {EXP}. This is case sensitive.
 - d. Make sure that From: & To: include the numeric range of the nodes.
 - e. Click .
7. **And/OR**, Select Points by selecting them in CAD.
 - a. Pull down to *AutoCAD*.
 - b. Click .
 - c. Use AutoCAD selection methods to select the Nodes that you want.
 - d. Press Enter.
8. The number of nodes selected will appear.
9. You can use any of the other selection methods also.
10. When done Click .
11. Export Complete. Click .
12. What's Next?
 - a. For uploading the coordinate file for stake out, use the data transfer software for the survey controller.
 - b. Or, the coordinate file can be used to import the points into another project.
 - c. Or, use Eagle Point to upload the file to the data collector.

Eagle Point Upload the Coordinate File to the Data Collector

(This option may work for survey controllers that connect via the serial port.)

1. From EP, click *Products... Data Collection... Jobs... Upload to Collector...*
2. Pull down upload Data from *File*.
3. Select the correct Format for your collector. E.g. *Sokkia SDR 33*.
4. Select serial port-E.g. *Com1*.
5. Select baud rate - E.g. *9600*.
6. Select data bits- E.g. *8,none*.
7. Click .
8. Have Data Collector ready and then press Enter.
9. Input a name for the new Data collector file {CurtStake}.
10. Press Enter.
11. Press any key.